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**\*\* See image for Certificate of Correction \*\***

TITLE: Automatic data collection device that dynamically wedges data transmitted to data consumers

DATE-ISSUED: December 3, 2002

## INVENTOR-INFORMATION:

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APPL-NO: 09/ 240425 [PALM]

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## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

  

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input checked="" type="checkbox"/> <u>4801786</u>	January 1989	Stobbe	235/377
<input checked="" type="checkbox"/> <u>4825058</u>	April 1989	Poland	235/472
<input checked="" type="checkbox"/> <u>5034598</u>	July 1991	Poland	235/435
<input checked="" type="checkbox"/> <u>5052020</u>	September 1991	Koenck et al.	375/62

<input type="checkbox"/>	<u>5070536</u>	December 1991	Mahany et al.	455/67
<input type="checkbox"/>	<u>5121342</u>	June 1992	Szymborski et al.	364/514
<input type="checkbox"/>	<u>5218188</u>	June 1993	Hanson	235/375
<input type="checkbox"/>	<u>5258604</u>	November 1993	Behrens et al.	
<input type="checkbox"/>	<u>5261079</u>	November 1993	Celi, Jr.	395/500
<input type="checkbox"/>	<u>5295154</u>	March 1994	Meier et al.	375/1
<input type="checkbox"/>	<u>5309351</u>	May 1994	McCain et al.	364/132
<input type="checkbox"/>	<u>5322991</u>	June 1994	Hanson	235/472
<input type="checkbox"/>	<u>5349678</u>	September 1994	Morris et al.	395/800
<input type="checkbox"/>	<u>5365546</u>	November 1994	Koenck et al.	375/9
<input type="checkbox"/>	<u>5404493</u>	April 1995	Bolme et al.	395/500
<input type="checkbox"/>	<u>5418684</u>	May 1995	Koenck et al.	361/680
<input type="checkbox"/>	<u>5425051</u>	June 1995	Mahany	375/202
<input type="checkbox"/>	<u>5440564</u>	August 1995	Ovada et al.	370/112
<input type="checkbox"/>	<u>5471596</u>	November 1995	Brown, III	395/375
<input type="checkbox"/>	<u>5572512</u>	November 1996	Cutler, Jr. et al.	370/13
<input type="checkbox"/>	<u>5577229</u>	November 1996	Wakerly	395/474
<input type="checkbox"/>	<u>5586281</u>	December 1996	Miyama et al.	395/405
<input type="checkbox"/>	<u>5604516</u>	February 1997	Herrod et al.	345/168
<input type="checkbox"/>	<u>5623603</u>	April 1997	Jiang et al.	395/200.04
<input type="checkbox"/>	<u>5875415</u>	February 1999	Lieb et al.	702/122
<input type="checkbox"/>	<u>5928292</u>	July 1999	Miller et al.	455/575

## OTHER PUBLICATIONS

Palmer, Roger C. "Reading, Printing and Specification of Bar Code Symbols," The Bar Code Book, 2nd ed., Helmers Publishing, Inc., Peterborough, New Hampshire, 1991, p. 107.

ART-UNIT: 2876

PRIMARY-EXAMINER: Tremblay; Mark

ATTY-AGENT-FIRM: Seed Intellectual Property Law Group PLLC

ABSTRACT:

A method and system for dynamically wedging data received from one or more automatic data collection ("ADC") devices on an ADC device platform into a destination application based upon wedging criteria. A dynamic wedge receives data from one or more ADC devices and automatically wedges the data into applications based upon user-provided data characteristics or a predetermined set of rules. Applicable wedging criteria used to route data include those that are user-composed and those that pertain to firmware or software characteristics. The dynamic wedge may comprise an ADC data server, ADC device handlers, ADC protocol handlers, and a wedging grid for retaining wedging directives. The ADC data server receives wedging

directives from local and remote client applications and stores the wedging directives in the wedging grid. When data arrives from an ADC device, the ADC data server analyzes the data to determine its characteristics. The ADC data server compares the identified characteristics against the wedging directives stored in the wedging grid. The ADC data server then determines for which clients a match has been found. For those clients for which a match has been found, the ADC data server then performs the wedging directive in order to dispose properly of the received ADC data.

45 Claims, 9 Drawing figures